

In the claims:

1. (Previously presented) A latching mechanism adapted for coupling two nestable shanks in a selected extension therebetween, each shank having at least one aperture along a longitudinal extent thereof said latching mechanism

comprising:

a housing;

an aperture in said housing;

a locking pin for extension through said aperture, said pin having first and second ends;

a pivot arm within said housing having first and second ends, said pivot arm first end being pivotable about an axis within said housing with said pivot arm second end attached to said locking pin;

first means for biasing said pivot arm to urge said locking pin second end towards a position within said housing;

a lever arm for bearing against said first end of said locking pin;

second means for biasing said lever arm to a first position bearing against said first end of said locking pin to urge said second end of said locking pin in extension outside said housing, said lever arm presenting a first end for user manipulation, a manipulation of said first end urging said lever arm away from said first position to allow said first bias means to urge said locking pin second end within said housing:

said latching mechanism adapted for placement along one of the shanks with an aperture of the respective nested shanks aligned therebetween, wherein said latching mechanism joins the shanks upon said movement of said locking pin second end in extension outside said housing and through the aligned apertures of the shanks, the nested shanks releasable upon movement of the locking pin second end towards said position within said housing and outside the aligned shank apertures.

2. (Previously presented) The latching mechanism as claimed in claim 1 wherein said first bias means comprises a spring within said housing, a movement of said spring to a normal position biases said pivot arm wherein said second end of said locking pin is urged towards said position within said housing.

3. (Previously presented) The latching mechanism as claimed in claim 1 wherein said second bias means comprises a spring within said housing, a movement of said second bias means spring towards a normal position urging said lever arm into said first position bearing against said first end of said locking pin.

4. (Previously presented) The latching mechanism as claimed in claim 2 wherein said second bias means comprises a spring within said housing, a movement of said second bias means spring towards a normal position urging said lever arm into said first position bearing against said first end of said locking pin.

5. (Previously presented) The latching mechanism as claimed in claim 4 wherein said bias of said second bias means is greater than said first bias means on said locking pin, whereby to urge said second end of said locking pin outside said housing.

6. (Cancelled.)

7. (Cancelled.)

8. (Cancelled.)

9. (Cancelled.)

10. (Previously presented) A latching mechanism adapted for coupling two nestable shanks in a selected extension therebetween, each shank having at least one aperture along a longitudinal extent thereof, said latching mechanism comprising:

a housing;

a locking pin having a free end for extension outside said housing;

first means for biasing said free end of said locking pin towards a first normal

locking position outside said housing, said first bias means comprising:

a first spring;

an arm associated with said first spring, said first spring urging said

arm against said locking pin in manner to urge said free end of

said locking pin outside said housing;

second means for biasing said free end of said locking pin towards a second release position within said housing;

said first bias means selectably operable by a user in a manner to remove said bias

of said first bias means on said locking pin, whereby said second bias means

urges said locking pin free end towards said second release position within

said housing, a placement of said latching mechanism along the first shank

with the second shank nested therein joining the first and second shanks upon

said movement of said locking pin to said first normal locking position and in

extension through aligned apertures of the first and second shanks, a user

operation of said first bias means moving said locking pin to said second

release position and outside the aligned apertures for releasing said joined shanks.

11. (Cancelled.)

12. (Previously presented) The latching mechanism as claimed in claim 10 wherein said second bias means comprises a second spring, said second spring associated with said locking pin in a manner to urge said locking pin towards said second release position.

13. (Withdrawn) A latching mechanism adapted for coupling two nestable shanks in a selected extension therebetween, each shank having at least one aperture along a longitudinal extent thereof for alignment therebetween, said latching mechanism comprising:

a housing;

a locking pin having a free end for reciprocative movement between a release position within said housing and a normal locking position outside said housing;

first means for normally biasing said free end of said locking pin towards said release position within said housing;

second bias means for normally biasing said free end of said locking pin towards said locking position outside said housing, said second bias means including a spring biased arm connected to said locking pin and movable between first and second positions, said spring biased arm having a normal first position presenting a bias greater than said first bias means wherein said spring biased arm urges said free end of said locking pin towards said normal locking position outside said housing, said second position of said spring biased arm achieved by a user manipulation thereof to release said bias of said second bias means on said pin wherein said first bias means urges said locking pin to said release position within said housing;

said first position of said spring biased arm of said second bias means urging said locking pin through aligned apertures of the first shank and second nested

shanks to join the first and second shanks, said second position of said spring biased arm allowing for displacement of the locking pin to a position outside the aligned apertures to release the first and second shanks.

14. (Withdrawn) The latching mechanism as claimed in claim 13 wherein said first bias means comprises a first spring coupled to said locking pin, a movement of said spring from a tensioned towards a normal non-tensioned position urging said locking pin to said release position.

15. (Cancelled.)

16. (Withdrawn) The latching mechanism as claimed in claim 15 wherein said maintaining means comprises:

a slot in said housing, an end of said locking pin opposite said free locking end presented in said slot;

a wedge for movement in and out of said slot;

said second means biasing said wedge into said slot to a first position into contact with said locking pin opposite end in a manner to urge said spring away from said normal position, whereby to move said locking position to said locking position.

17. (Withdrawn) The latching mechanism as claimed in claim 16 wherein said bias means comprises a second spring, said second spring at a normal position moving said wedge into said slot to said first position.

18. (Withdrawn) The latching mechanism as claimed in claim 17 wherein said wedge is movable to a second position out of contact with said locking pin

opposite end, said wedge at said second position allowing for said first spring to return to said normal position.

19. (Cancelled.)

20. (Withdrawn) The latching mechanism as claimed in claim 19 wherein said lever arm is user operable to displace said second end from said locking pin, whereby said first bias means urges said locking pin to said release position.